

**MICHIGAN STATE**  

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**UNIVERSITY**

# Alpha Presentation

## Dealership Parts and Telematic Insights

### The Capstone Experience

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*From Students...  
...to Professionals*

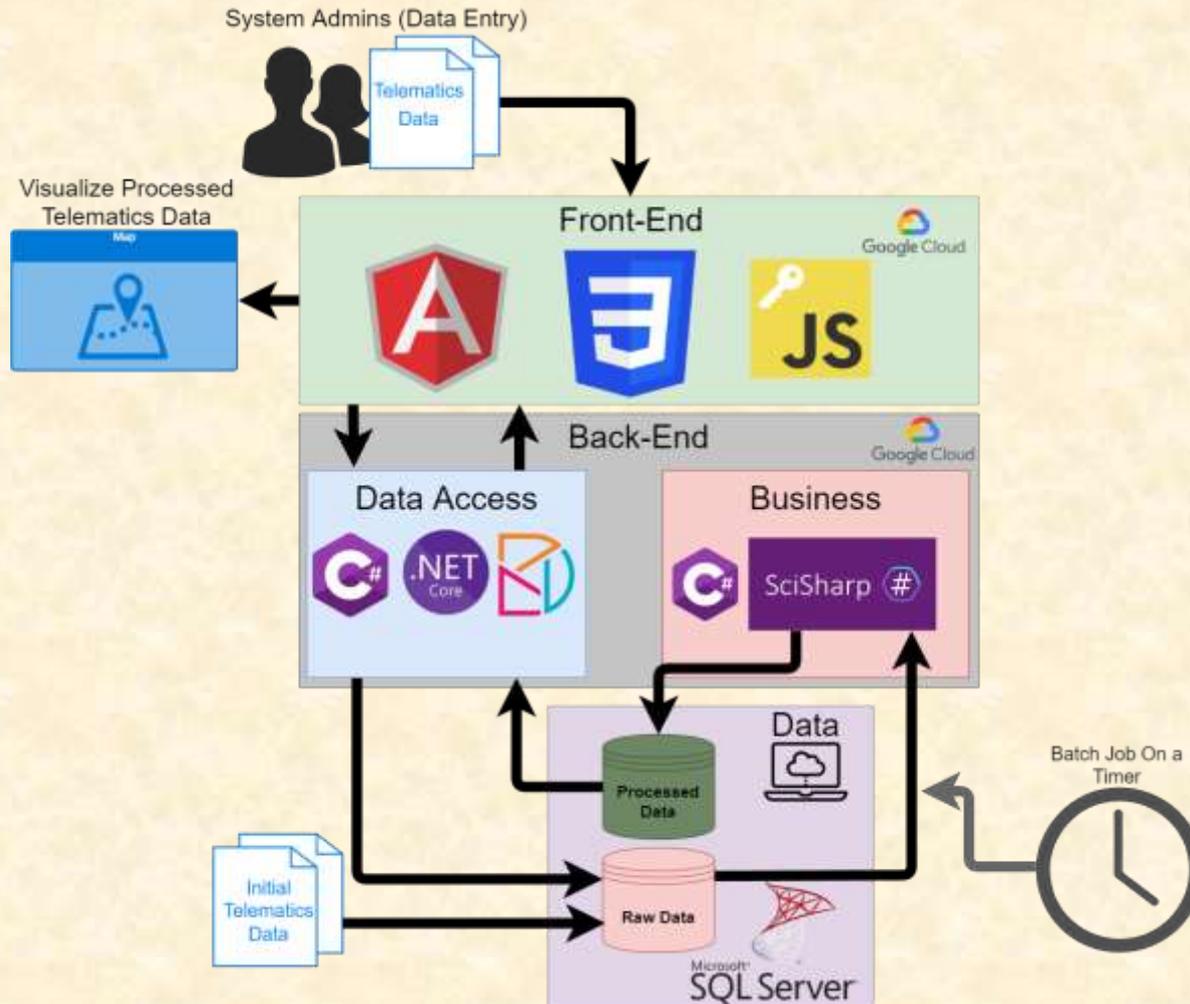
# Project Overview

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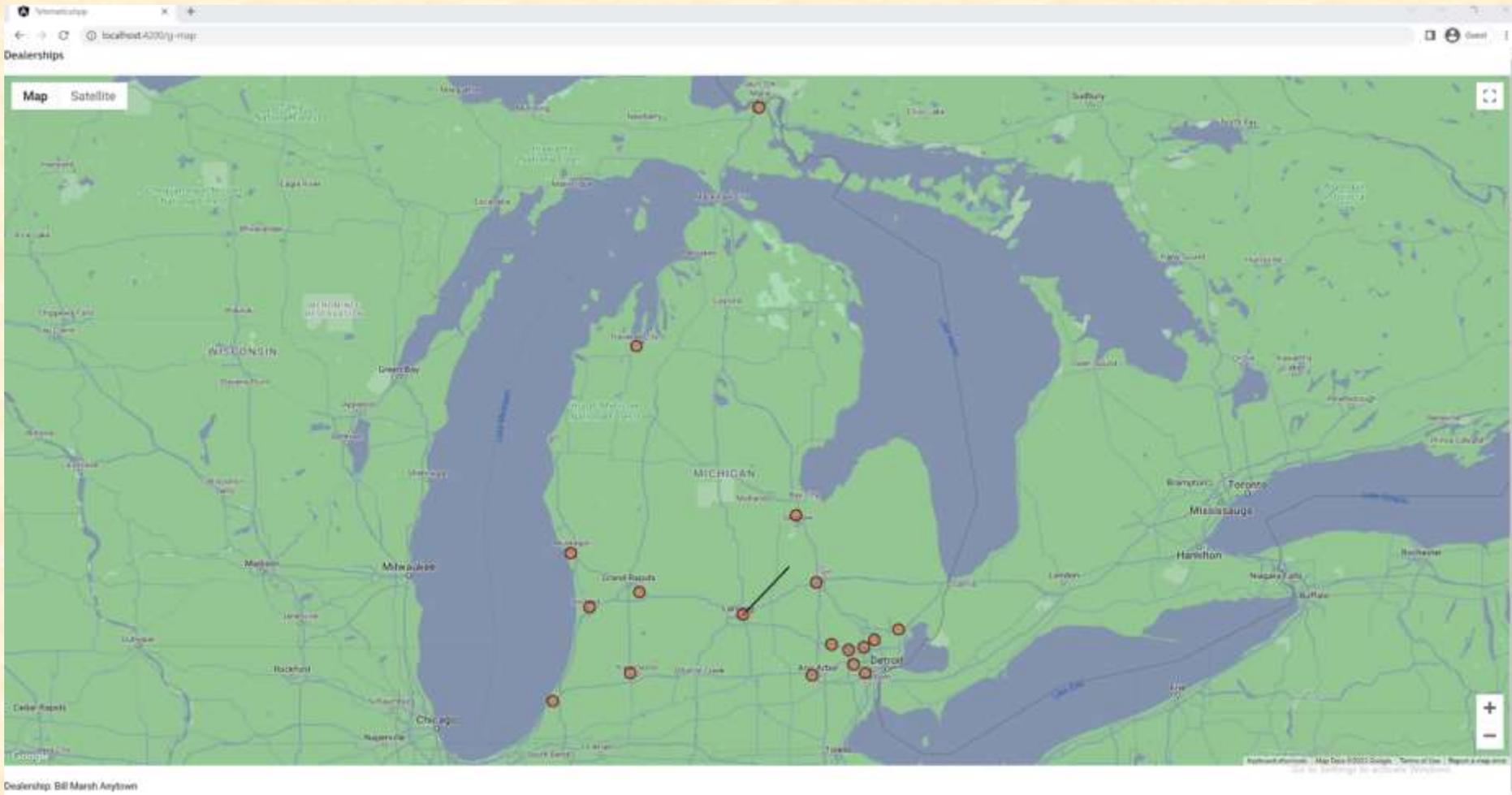
- Process raw vehicle and dealership data
- Visualize data on a map and a table
- Dealerships derive insights on aftersales
- User roles determines data viewing
- Upload telematic data for scalability



# System Architecture



# Dealership Map View



# Dealership List View

ID	Name	Lat	Lon
38	Randy Wise Anytown	42.988	-83.7699
478	Lafontaine Anytown Of Livonia	42.367674	-83.384654
797	Femellus Anytown	46.4839	-84.35403
776	Glassman Anytown	42.49399438	-83.28376286
267	Farmington Hills DP	42.475773	-83.435095
1116	Garber Anytown	43.486752	-83.973823
1140	Feldman Anytown of New Hudson	42.5161	-83.6003
1192	Signature Anytown	42.086485	-86.442606
2053	Ehart Anytown	42.798967	-86.072661
2106	Maple Hill Anytown	42.29647	-85.659091

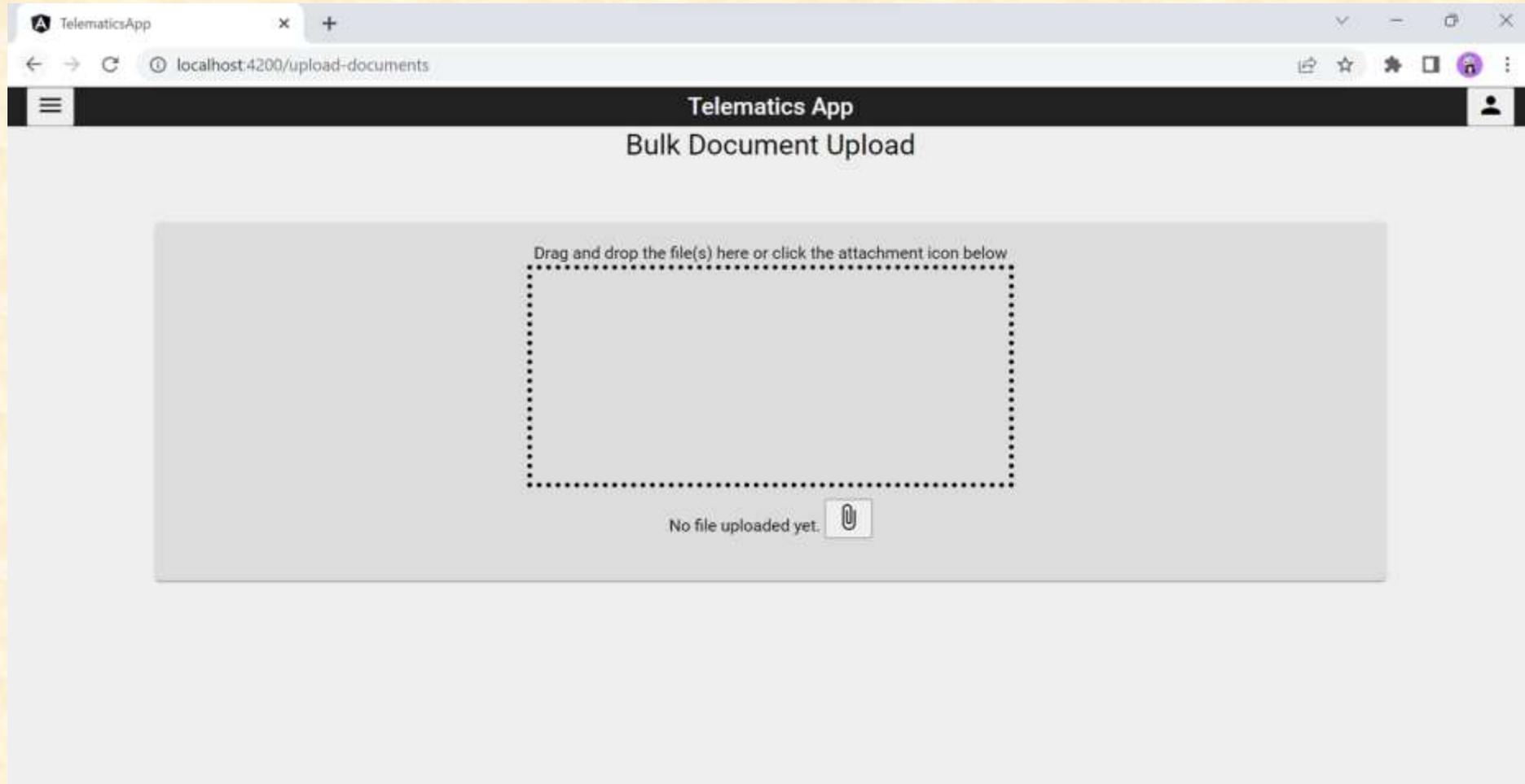
# User Management View

The screenshot displays a web application interface for user management. The browser window is titled "MyApp" and the page is "Telematics App". The "Users" tab is selected in the navigation menu. The main content area shows a table of users with the following data:

ID	Email	Role	Action
1	TrentonsEmail@email.com	Role: admin	Remove User
2	AdminEmail@email	Role: admin	Remove User
3	RegEmail@email.com	Role: regional manager	Remove User
4	DealershipEmail@email.com	Role: dealer	Remove User

At the bottom of the table, there is a "New User" button. The page also includes a pagination control showing "Items per page: 1" and "1 - 4 of 4".

# Document Upload View



# What's left to do?

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- Show animated traffic on the map
- Filter map view by date
- Roles alter the viewing experience
- Machine learning to predict vehicle service location



# Questions?

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